





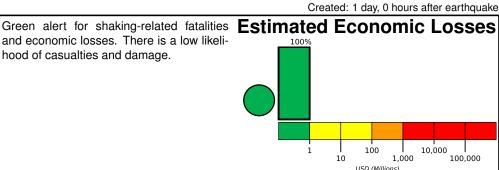
PAGER

Version 7

M 5.1, 8 km NW of Prague, Oklahoma Origin Time: 2024-02-03 05:24:28 UTC (Fri 23:24:28 local) Location: 35.5346° N 96.7337° W Depth: 6.0 km

Estimated Fatalities 69% 100 10,000 100,000 1,000

and economic losses. There is a low likelihood of casualties and damage.



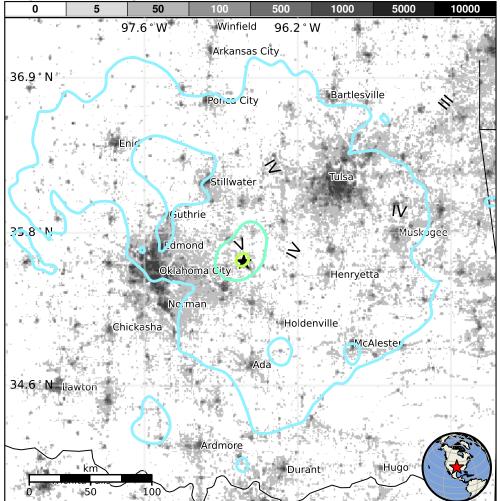
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	1,923k*	2,427k	16k	1k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-02-15	371	4.6	IV(8k)	_
1997-09-06	100	4.5	V(3k)	_

Selected City Exposure

from GeoNames.org				
MMI	City	Population		
V	Stroud	3k		
V	Meeker	1k		
V	Prague	2k		
IV	Chandler	3k		
IV	Hominy	4k		
IV	Shawnee	30k		
IV	Tulsa	392k		
IV	Broken Arrow	99k		
IV	Oklahoma City	580k		
Ш	Norman	111k		
Ш	Wichita Falls	105k		

bold cities appear on map.

(k = x1000)